

MATTEL ELECTRONICS®

AQUARIUS™
HOME COMPUTER SYSTEM

PRINTER

INSTRUCTIONS



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Hawthorne, CA 90250.

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INTRODUCTION

Your Aquarius™ Printer is a high-performance serial printer capable of printing the upper and lower case letters and keyboard characters used in the Aquarius™ Home Computer System. It is directly compatible with the Aquarius™ Home Computer and has an alphanumeric (A-Z, 0-9) print rate of 80 characters per second and a graphics print rate of 20 elementary lines per second. The printing is done in a 5x7 dot matrix with 40 characters per line. A special heat sensitive paper, friction fed, is used. Because the process does not impact the paper, the printing is extremely quiet.

CAUTION:

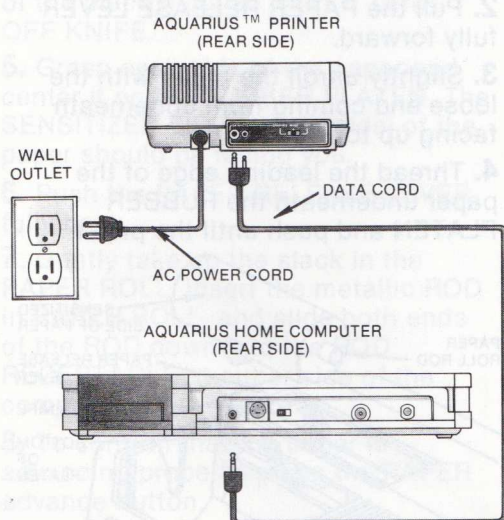
USE ONLY AQUARIUS™ THERMAL PAPER.
SOME MANUFACTURERS PAPER MAY
DAMAGE YOUR PRINTER MECHANISM.

UNPACKING

Your Aquarius™ Printer is packaged as follows:

- Printer
- 1 Thermal Paper Roll (installed in printer)
- 1 Thermal Paper Roll (additional, not installed)
- 1 Paper Roll Rod (contained in paper roll)
- 1 Data Cord plus Connector
- 1 Power Cord (connected to printer)
- Instruction Manual

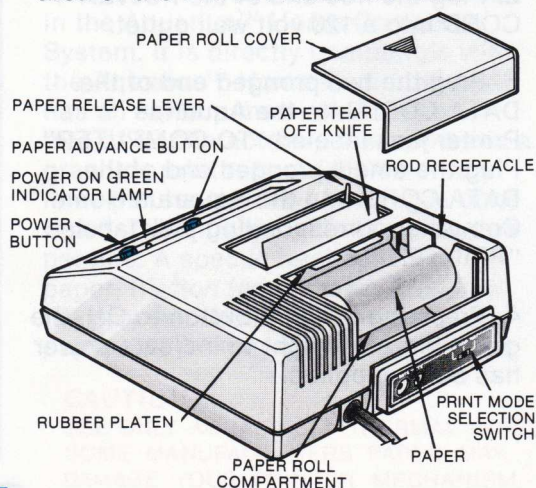
SYSTEM SET UP



1. Make sure the POWER button on the Aquarius™ Printer front panel is OFF. The adjacent green indicator lamp on panel should not light.
2. Plug the free end of the POWER CORD into a 120 volt wall outlet.
3. Plug the two-pronged end of the DATA CORD into the Aquarius™ Printer jack labeled "TO COMPUTER". Plug the single-pronged end of the DATA CORD into the Aquarius Home Computer corresponding jack labeled "PRINTER."
4. Press the POWER button to ON, the green lamp will light to indicate power has been supplied.

INSTALLATION OF PAPER

1. Remove the PAPER ROLL COVER by pushing backward and slightly downward on the triangular serrated area of the PAPER ROLL COVER.

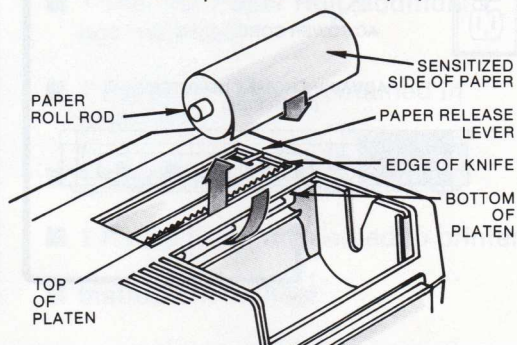


Slide the PAPER ROLL COVER free from the unit.

2. Pull the PAPER RELEASE LEVER fully forward.

3. Slightly unroll the paper with the loose end coming from underneath facing up to you.

4. Thread the leading edge of the paper underneath the RUBBER PLATEN and push until the paper



edge appears on top of the RUBBER PLATEN, next to and along the edge of the black metallic PAPER TEAR OFF KNIFE.

5. Grasp each side of the paper and center it on the RUBBER PLATEN. The SENSITIZED SIDE (glossy side) of the paper should be facing you.

6. Push the PAPER RELEASE LEVER fully back.

7. Gently take up the slack in the PAPER ROLL, insert the metallic ROD in PAPER ROLL, and slide both ends of the ROD down into the ROD RECEPTACLE at either side of the compartment.

8. To confirm that the paper is advancing properly, press the PAPER advance button.

9. When you are satisfied that the

paper is advancing and tracking properly, replace the PAPER ROLL COVER. Tear off the excess paper using the printer's built-in PAPER TEAR OFF KNIFE. You are now ready to use the Aquarius™ Printer.

USING THE PRINTER

After you have installed the paper, the printer is ready to provide a permanent record. *Turn printer off when switching to new mode*

1. Before printing, move the PRINT MODE SELECTION switch to desired mode — either "GRAPHICS", "MIXED" or TEXT". In the Graphics mode the printer will copy whatever is on the screen. In the Mixed mode it will do the same, but subject to ASCII codes for line feed, carriage return, and form feed. The Text mode is

similar to the Mixed mode, but without any graphics characters.

2. To initiate printing, press the POWER button and turn on the computer system. Type this `PRINT CHR$(255)` to start.

3. The printer will remain in a standby mode when no print command is being executed (see page 4). The printer will automatically begin to print when a valid print command is executed.

4. When printing is completed, press the PAPER button to advance the paper a couple of inches, then press the POWER button to OFF. Depending on your needs, leave your printed paper on the machine or tear the paper off for storage.

REMOVING A PARTIAL ROLL OF PAPER

Should you wish to remove a partially

used roll of paper, simply reverse the paper installation procedures described before.

1. Tear off any excess paper.

2. Remove the PAPER ROLL COVER.

3. Pull the PAPER RELEASE LEVER forward.

4. Grasp the partially used PAPER ROLL, lift it upward letting it unroll slightly, and gently pull the paper from the printer by moving it from side to side to prevent any binding.

NOTE: You may wish to simply cut the paper behind the lead-in slot and remove the partially used roll. If you do this, the small section of paper still in the printer can be removed by pushing the PAPER advance button.

COMPUTER COMMANDS TO PRINTER

The Aquarius™ Printer can be activated

using any of the following Aquarius™ BASIC Computing Language commands – LPRINT, LLIST, or COPY.

- LPRINT writes specified data on the printer.

Example:

LPRINT A\$;B\$;CHR\$(10) (prints specified data)

10 LPRINT A\$;B\$;CHR\$(10) (prints program output)

(Remember to always press **RTN** at the end of each line).

- LLIST writes a listing of the program in memory on the printer.

- (1) Use LLIST to print a listing of entire program.
- (2) Use LLIST followed by a line number (for example, LLIST 80), to print a listing starting at the indicated line.

- COPY writes the contents of the current TV screen display on the printer. Carriage return, form feed and special non-keyboard characters are not sent to the printer.

Mattel Electronics will supply the thermal paper. Use only Mattel paper. Other paper may harm your printer.

Check your retailer or call the Aquarius 800 number for additional paper.

WARNING: Documents printed out on the Aquarius™ Printer which are intended to be saved for a long time should be copied onto different paper to ensure long life.

90 DAY LIMITED WARRANTY

Mattel Electronics warrants to the original consumer purchaser in the United States of its Aquarius Printer that the product will be free of defects in material or workmanship for a period of 90 days from the date of purchase under normal in home use.

During the warranty period Mattel Electronics will, at its sole option, repair or replace the

product without charge for parts or labor when the product is returned postage prepaid to a Mattel Electronics authorized service facility with proof of the date of purchase. Mattel Electronics strongly recommends that if the product is to be shipped to a Mattel Electronics service facility that the product be insured prior to shipment. Mattel Electronics reserves the right to utilize reconditioned parts in repairing the product or to utilize reconditioned units in replacing the product.

Please read the Aquarius Printer Instructions thoroughly prior to operation of the product. If you have difficulty or require service assistance, please call the Mattel Electronics Service Information number listed below for assistance.

800-421-2928

California, Alaska or Hawaii Residents must call
213-978-6089 Direct/Collect

This warranty excludes incidental or consequential damages resulting from the product or use of the product. (Some states do not allow the exclusion of incidental or consequential damages, so the foregoing exclusion may not apply to you.) This warranty gives you specific rights and you may have other rights which vary from state to state.

Units returned without proof of the date of purchase or units returned after the 90 day limited warranty period has expired will be repaired or

replaced (at our option) for a service charge. Contact the following toll free telephone number to obtain the location of the nearest service facility and the amount of the service charge.

If you need service or assistance contact the toll free Service Information number below:

800-421-2928

California, Alaska or Hawaii Residents must call
213-978-6089 Direct/Collect

This warranty does not apply if the product has been altered, modified, or serviced by anyone other than an authorized Mattel Electronics service facility or if the product has been subjected to purchaser abuse, accident, negligence, or damage subsequent to purchase.

You may write us, but **DO NOT SEND PRODUCT FOR REPAIR**, at the following address:
Mattel Electronics, 5000 W. 147th Street,
Hawthorne, CA 90250.

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